

Synthesis of Amino Acids From Ammonia and Keto
Acids by Different Bacteria, by L. M. Jakobson,
A. S. Konikova, M. G. Kritsman, S. S. Melik-
Sarkisian, 15 pp.

RUSSIAN, per, Biokhimiya, Vol XIV, No 1, 1949,
pp 14-19.

NIH

Scientific - Biology
CTS/DIEK

6319

On the Mechanism of the Decomposition of Levo-Aspartic Acid Under the Effect of Bacterial Aspartic Decarboxylase, by S. R. Mardashev, L. A. Semina, R. N. Etinehof, A. I. Balyasnaya, 20 pp.

RUSSIAN, per, Biokhim, Vol XIV, No 1, 1949, pp 44-58⁰.

CIA/FDI/X-593

Scientific - Biology

National Institute of Health

14,453

~~SECRET~~

Content of Carnosine and Creatine in
"Tonic" and "Non-Tonic" Muscles of
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1949, pp 51-57.

Univ of Melbourne
T. 125 154

Sci - Biol
Jul 62

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Chemical Investigation of Reticulin, by A. ~~Y~~ I.
Yubytzkaya, 10 pp.

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Sci Museum Lib No 51/3314
London

Sci - Chemistry

AEC Tr 1104

A. V. KOTEL'NIKOVA

On the Phosphomutase of Adenosine Diphosphate of
Animal Tissues, 22 pp.

RUSSIAN, Biokhimiia 14 (2):145-154; 1949.

X-610

National Institutes of Health
Bethesda, Maryland

BS

Enzymatic Formation of Alanine From Levo-Kynurenine and
Levo-Tryptophane and the Role of Vitamin B₆ in This
Process, by A. E. Fraunshstein, E. V. Gorischenkova,
40 pp.

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pp 163-179.

Sci Trans Center RT-174

OTS 44-3862

Scientific - Chemistry

Jan 54 CTS

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Conversion of Nitrogenous Substances of a Culture
Medium and Decomposition of Gelatin by Fungi of the
Genus *Trichoderma*, by P. T. Sukhenko, O. L. Semovskikh.

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pp 201 - 210.

ABC 17 517

Sci - Biology

July 1951 CTS

Synthesis of Individual Amino Acids From
Ammonia and Keto Acids by Different Species
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pp 223-229.

OTS 63-14621
NIR

Scientific - Biology
CTS/DTX

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The Fate of 3, 4-Benzpyrene at the Place of Injection
and its Detection in the Tissues of Tumors Produced
by it, by V. V. Basilevich.

RUSSIAN, bio per, Biokhim, Vol XIV, No 3, 1949,
pp 275-283.

AEC Tr 1035

AEC/UCRL 45

15,001
Scientific - Medicine

Doc 1951 CTS

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Kirsanova, A. V. Trufanov, 14 pp.

RUSSIAN, per, Biokhimiya, Vol. XIV, No 5,
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Sci Tr Center
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Scientific - Chemistry

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Effect of Toxins of Bac. Paratyphus on Respiration
of Animal Tissues., by I. B. Prisyad, UNCLASSIFIED

RUSSIAN, part, Biokhimiya, Vol XIV, No 2, Sept/Oct
1949, pp 449-453

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Scientific - Biologist

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The Mechanism and Kinetics of Fermentative
Synthesis, by P. V. Afanas'ev, 16 pp.

RUSSIAN, per, Biokhimiya, Vol. XIV, No 5, 1949,
pp 424-431.

Sci Trans Center

RT-1711

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Scientific - Chemistry

Dec 54 CTB/DEX

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~~REDACTED~~

Quantitative Estimation of Vicinal (1,2,3) and Ortho
(1,2) Hydroxyls in Polyphenols and Tannins, by
A. L. Kirsanov, M. N. Zaprometov,

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Sci Museum Lib No 52/2593

mil & in O P m G

USSR

Scientific - Chemistry, vicinal, hydroxyls, polyphenols,
tannins

Estimation of Hydroxyls in Polyphenols and Tannins,
by A. I. Kursanov, M. N. Zapprometov.

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Sci Museum Lib No 852/2592

USSR

Scientific - Chemistry, hydroxyls, polyphenols,
tannins

Respiratory Phosphorylation and the Pasteur Effect,
by I. P. Sayts, V. A. Engel'gardt, 30 pp.

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NIH 3-15-61

Sci - Med
May 61

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Investigation of the Condensation of Dioxycetone
Glycolaldehyde and Dioxycetone Phosphate in the Green
Leaf of a Plant, by A. N. Ermolov, N. G. Doman.

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ABC Tr 1083

Scientific - Biology

Biochem

Dec 1951 CTS

Enzymatic Synthesis Under Pressure, by S. E. Bresler,
G. V. Samsonov, and N. A. Selezneva, 17 pp.

RUSSIAN
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Scientific - Chemistry

May CTS/DEX

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Certain Properties of Fructose 1,6 - Diphosphate, by
B. N. Stepanenko.

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AEC T, 1047

Scientific - Chemistry

Dec 1951 CTS

General Principles of Synthesis of Alkaloids in
Grafted Plants of Series Nicotiana, by G. C.
Il'in.

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553 - 557.

ARC Tr 1046

Scientific - Biology

Dec 1951 CTS

The Immediate Precursors of Sugars in Plants, by
A. L. Kursanov, O. A. Pavlovna.

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AEC Tr 1023

Scientific - Biology

RT-2001

Inc 1951 CTS

Change of the Ultraviolet Absorption Spectrum
of an Aqueous Solution of Glucose, by
I. B. Evstigneev, V. N. Nikiforova, 7 pp.

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pp 86-93.

CSIRO

Sci - Chem
Nov 61

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Influence of Certain Dyes on Virus Nucleoprotein of the
Mosaic Disease of Tobacco, by V. L. Ryzhkov, V. A. Smir-
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RUSSIAN, Biokhimiya, Vol. XV, No 3, 1950, pp 222-229.

USDA

Scientific - Biology

OTS/DEK

4867

Synthesis and Biological Properties of
Pteroylaminopipidic Acid, and Analog of Folic
Acid, by V. A. Kurbanova, A. V. Trufanov, 13 pp.

RUSSIAN, part, BioKhimiya, Vol IV, No 3, 1950,
pp 243-248.

Sci Tr Center
RT-1459

Scientific - Chemistry

18,907

61-28112

Samarina, O. P., Kritsman, M. G. and others.
AMINO-ACID COMPOSITION OF BACTERIA, tr. by
Z. Knowles, 6 Mar 51, 11p. (3 figs. omitted) 3 refs.
Order from OTS or SLA \$1.60 61-28112

Trans. of Biochimika (USSR) 1950, v. 15, no. 3,
p. 287-290.

DESCRIPTORS: *Bacteria, *Amino acids, Proteins.
Cholera, Vibrio, Chromatographic analysis.

By means of dimetric chromatography on paper, the
amino-acid composition of cholera and cholera-like
vibriones, and saprophytic species of cocci were ex-
amined. Results showed that 16 known amino acids and
one unidentified amino acid were found in the proteins
of cholera and cholera-like vibriones. The amino-acid
composition of cocci proteins agree in the main part
with such vibriones.
(Biological Sciences--Biochemistry, TT, v. 6, no. 11)

I. Samarina, O. P.
II. Kritsman, M. G.
III. National Institutes of
Health, Bethesda, Md.

188741

Office of Technical Services

A New Contribution to Soviet Biological Science,
(~~SECRET~~) UNCLASSIFIED

RUSKIN, J., *Biokhimiya*, Vol IV, No 4, July/Aug
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Scientific - Biology

RT 1024 .

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Biological Action of Tea Tannin,
by A. I. Mursanov, et al.

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Sci - Chem
Jun 62

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KOTINA, V. E.

Soluble Albumins of Animal Hide. UNCLASSIFIED

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QNT-186

New Method of Purifying the Virus of Tobacco Mosaic, by
O. S. Gorodskaya, 7 pp.

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508.

USDA

Scientific - Biology

CBS/DEX

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Influence of Correlation Between Quantities of
Amino Acid and Sugar upon Process of Melanoidine
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pp 528-533.
K-H 2509

277. A. Mashkovtsev

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Sci - Chemistry
Mar 67

Iodometric-Micro-Method for the Determination
of the Alkaloid Content of Lupins, by E.V.

Boiko.

RUSSIAN, per, Biokhimiya, Vol. 15, No. 6, 1950

pp 548-551

NZDSIR/Ref. No. 1120

Sci -
Aug 67

336-138

The Problem of Microdoses in Chemistry and in Biology,
by I. A. Zubovitch, N. I. Mozhnev.

RUSSIAN, per, Biochemia, Vol XVI, Jan/Feb 1951,
pp 12-23. 105-5523

USDA Trans 256

USSR

Economic - Agriculture, growth substances

Scientific - Biology, growth substances, chemistry

529

Hydrolysis of the Antigenic Complex of Brucella
Suis and the Chemical Nature of the Components,
by I. I. Dubrovskaya, 10 pp.

Full translation.

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Jan/Feb 1951, pp 41-49.

USDA Tr

USSR

Scientific - Medicine

CTS/DEX

3803

Effects of Endogenous Tissue Factors on the Pasteur
Reaction and Conjugate Phosphorylation, by I. F.
Seyts, N. V. El'tsina, 31 pp.

RUSSIAN, per, Biokhim, Vol 2 XVI, No 1, 1951,
pp 62-73.

NIH 3-6-61

Sci - Med
May 61

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Microbiological Determination of Folic Acid With
the Aid of Readily Available Media, by G. N.
Pershin, L. I. Shcherbakov, 8 pp.

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SLA 60-10824

Sci

OTS, Vol III, No 6

Aug 60

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V
A Chemical Method for the Estimation of Vitamin D in
Fish Oil, by I. N. Garkina, V. N. Bukin.

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176-185.

SLA 60-13713

0286
Sci Mus Lib No 52/2286

16,740

Scientific - Chemistry

TT-64-10309

Evstigneev, V. B. and Nikiforova, V. N.
EFFECT OF pH MEDIUM ON THE DECOMPOSITION
OF GLUCOSE SOLUTIONS DURING HEATING (Vli-
yanie pH Sredy na Razlozhenie Vodnykh Rastvorov
Glyukozy pri Nagrevanii). [1964] [18p] 7 refs
Order from OTS, SLA, or ETC \$1.60 TT-64-10309

Trans. of Biokhimiya (USSR) 1961, v. 16, no. 3,
p. 250-255.

(Biological Sciences--Biochemistry, TT, v. 12, no. 1)

I. Evstigneev, V. B.
II. Nikiforova, V. N.

Office of Technical Services

**S. E. SEVERIN
E. A. KHAIB**

**Change of Content of Carnosine, Anserine, and
Creatine in the Ontogenesis of Animals (Previous
Report published in DAN SBER, 68: 353; 1949), 20 pp.**

RUSSIAN, Biochimia, 16 (3):286-291; 1951.

X-607

**National Institutes of Health
Bethesda, Maryland**

A Method of Storing Isolated Chloroplasts Without
Altering Their Photochemical Activity, by E. V.
Vareschinski.

Full translation.

RUSSIAN, per, ^{OK} ~~Nauchni Reviz USSR~~ Biochemia, Vol 16,
~~1951~~, 1951, pp 350, 351.

No. 4

AEC Tr 1232

Scientific - Biology

2
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H. A. D. Braun, 26 pp.

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NIH 6-2

Sci - Biol
Jul 58

SLA R-3110

OTS 164-19435

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Type of Changes in Structure and Enzymatic
Activity of Plastids in the Ontogenetic Cycle of
Plant Development, by N. M. Sisakyan, V. I.
Biriuzova, A. M. Kobiakova, 10 pp.

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AEC Tr 2452

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Scientific - Chemistry
Biology

May 5/5 CTS/DEX

Brikhim

Vol 16, # 5

pp 453-460 (51)

"Effect of Compounds with Various Redox Potentials
on P.S. and Resp. of Elodea" J. P. Brin &
A. A. Krasnoskiy

proj 10809

A-4066.1

SR 15 Jan 70

Partly Played by N-Oxides of Alkaloids in the
Plant, by L. Areshkina.

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1951, pp 461-470.

CSIRO 3768

Sci - Biol
Aug 62

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Problems of the Priority of Native Biochemistry, 3 pp.

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UNDA

Scientific - Biology

CTB/DEX

4869

Fermentability of Raffinose by Yeast Race "YA"
on Alcoholic Fermentation of Molasses, by
Makhamurov, L. V. Kochkina.

SIAM, Ser., Mikshimiya, Vol XVI, No 6, p 522, 1951.

Sci Museum Lib No 52/2334

SLA 59-19103

Index - Chemistry, fermentability, raffinose, yeast,
molasses

The Amino-Nitrogen Content of Gliadin, by
M. S. Reznichenko, 6 pp.
RUSSIAN, per, Biokhimiya, Vol XVI, No 6, 1951,
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OTS 63-11043
PL-480

Sci - Chem
May 64

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(DC 5410)

Determination of Ascorbic Acid in Plant Juices
by the Chromatographic Method, by Ye. F. Shamray,
Ye. A. Gavrilova, V. V. Kravchenko, 13 pp.

RUSSIAN, per, Biokhimiya, Vol XVI, No 6, Nov-
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JPRS 8023

Sci - Chem

Apr 61

146,668

Effect of Ultra-Violet Rays on Photo-Chemical
Activity of Chloroplasts, by I. V. Vereshchinskiy,
A. A. Krasnovskiy, 17 pp.

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pp 621-626.

Sci Tr Center HT-2147

Scientific - Chemistry
Apr 55 GTS

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The Influence of Ultraviolet Rays on the Absorption
Spectra of Amino Acids, by I. P. Mishchenko, 15 pp.

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pp 82-90.

Sci Tr Center
RT-1595

Scientific - Chemistry

CTB/DBX

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Chromatographic Break Down of Tea Tannin, by M. N.
Zaprometov.

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ETC-69-37201

Sci

Jul 59

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(FDD 18209)

Formation and Transformation of Phosphoryl Choline
in the Process of the Synthesis of Acetylcholine in
Brain Extract, by P. A. Komatiiani, 27 pp.

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Leningrad, Jan/Feb 1952, pp 108-118.

CIA/FDD/U-5321

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Scientific - Biochem

Jan 54

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Problems of Priority of Domestic Biochemistry
About Priority of Soviet Science on the Road
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Molecules, by A. N. Terenin, 6 pp. UNCLASSIFIED

Full translation.

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AEC Tr 2033

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Scientific - Chemistry Jun 53 CTS/DirX

Changes in the Ascorbic Acid Content of Tubers and
of the Subterranean Parts of Potatoes Under Different
Conditions of Growth, by G. S. Aslanyan,
T. T. Z. Vartanyan.

RUSSIAN, per, Biokhimiya, No 17, 1952, pp 179-185.

NZDSIR/No 566

Sci
Jan 65

The Mucin of Saliva as a Glycolipoprotein, by
M. E. Katakova, 10 pp.

RUSSIAN, per, Biokhimiya, Vol XVII, No 2, 1952,
pp 195-197.

NIH

Scientific - Biology
CIS/DEX

6321

Oxidative Changes in Tea Catechins, by A. L.
Kursanov, M. N. Zaprometov.

RUSSIAN, *Tr. Biokhimiya*, 1952, pp 230-245.

HCSDCC-T1935

Sci

Jul 59

ATS-LIJ

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Determination of Glucoalkaloids in the Potato Family,
by S. M. Prokoshev.
RUSSIAN, per, Biokhimiya, Vol 17, 1952, pp 362-367.
*NTIS TT 72-51057

Aug 72

Types of Union of Enzymes With the Protein
Complex of Plastids, by N. M. Sisakyan, A. M.
Kobayakova.

RUSSIAN, per, *Biokhimiya*, Vol XVII, 1952,
pp 368-375.

ABC Tr 2461

36,745

Sci - Medicine, Chemistry

Jun 1956

Palladin, A. V.
METABOLISM OF CEREBRUM DURING INHIBITION
AND EXCITATION OF THE HIGHER NERVOUS
ACTIVITY (Ob Osmene Veshchestv v Golovnom Mozge
pri Tormozhenii i Vozbuzhdenii Vysshei Nervnoi
Deyatel'nosti) tr. by Zeld D. Knowles. 12 Aug 53
14p. (6 figs. omitted) 7 refs.
Order from OTS or SLA \$1.60

NIH
61-28106

Trans. of *Biokhimiya* (USSR) 1952, v. 17, no. 4,
p. 456-461.

Another trans. is available from SLA as RT-128.

DESCRIPTORS: *Brain, *Metabolism, Inhibition,
Excitation, *Autonomic nervous system, Sleep,
Nucleic acids, Cells (Biology), Exchange reactions,
Physiology, Cerebral cortex.

Experiments revealed that during sleep metabolism
(Biological Sciences--Biochemistry, TT, v. 7, no. 6)
(over)

61-28106

1. Title: Pervitin
- I. Palladin, A. V.
- II. National Institutes of Health,
Bethesda, Md.

4889

Office of Technical Services

Petrova, A. N.
STUDY OF THE PROCESSES OF ENZYMATIC
GLYCOGEN DECOMPOSITION IN MUSCLES OF
RABBITS WITH ALLOXAN DIABETES [Izuchenie
Protsessov Enzimaticheskogo Raspada Glikogena v
Myshtsakh pri Alloxanovom Diabete u Krolikov] tr.
by Zaida D. Knowles. 13 Aug 53. 15p. (3 figs.
omitted) 6 refs.

Order from OTS or SLA \$1.60

61-28097

Trans. of Biokhimiya (USSR) 1952, v. 17, no. 4,
p. 469-475.

Another trans. is available from SLA as RT-129.

DESCRIPTORS: Decomposition, Muscles, Rabbits.
*Glycogen, Glycolysis, Diseases, *Alloxan, Toxicol-
ogy, *Diabetes, Cells (Biology), Mitosis, Liver,
Carbohydrates, *Insulin, *Deficiency diseases.

(Biological Sciences--Pathology, TT, v. 7, no. 1)
(over)

61-28097

I. Petrova, A. N.
II. National Institutes of
Health, Bethesda, Md.

4888

1117

Office of Technical Services

Rachinskii, V. V., Knyazaitova, B. I., and
Kravtsova, B. B.
METHODS OF PRODUCTION AND ANALYSIS OF
PAPER CHROMATOGRAMS OF SUGARS (Metodika
Polucheniya i Analiza Bumazhaykh Khromatogramm
Sakharov) [1964] [14p]
Order from OTS, SLA, or ETC \$1.60 TT-64-10289

Trans. of Biokhimiya (USSR) 1952, v. 17, no. 5,
p. 551-556.

(Biological Sciences--Biochemistry, TT, v. 12, no. 2)

TT-64-10289

I. Rachinskii, V. V.
II. Knyazaitova, B. I.
III. Kravtsova, B. B.

Office of Technical Services

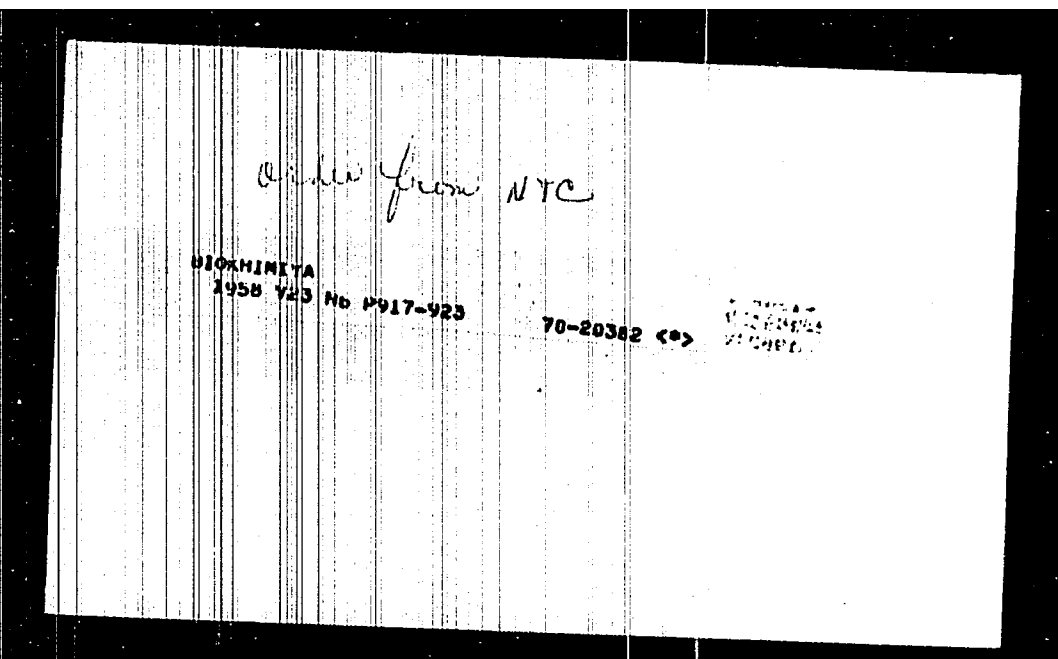
Simple Microbiological Method of Determining
Pyridoxine (Vitamin B6,) , by M. M. Meisel', R. A.
Ponomarevskaya.

UNCLASSIFIED

RUSSIAN, per, Biokhimiya, Vol XVII, No 5, 1952,
pp 593-597.

15,404
USSR
Scientific - Biology

USDA
RT 1117



Replacement of the Coenzyme of Thiaminase by
Certain Nitrogen Compounds, by R. I.
Tatarskaya.

RUSSIAN, biochem, Biokhim, Vol XVII, No 5,
1952, pp 598-609.

Def Sci Info Sv,
DRB, Canada
T 124 R

Scientific - Chemistry

CTB/DEX

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Change in Nucleo Protein Content in Plants Upon
Vegetative Hybridization, by G. I. Semenenko,
UNCLASSIFIED

RUSSIAN, per, Eikkhimiya, Vol XVII, No 6, Nov/Dec
1952, pp 655-659.

USDA

Scientific

Biology
~~Chemistry~~

Dec 1954 CTS

20,177

Khesin, R. V.

RATE OF EXCHANGE OF PHOSPHORUS OF THE
RIBONUCLEIC ACID OF THE STRUCTURAL ELE-
MENTS OF CYTOPLASM DURING DIFFERENT
PHYSIOLOGICAL STATES [Skorost' Obmena Fosfora
Ribonukleinoi Kisloty Strukturnykh Elementov
Tsitoplazmy pri Razlichnykh Fiziologicheskikh
Sostoyaniyakh] tr. by Zeld D. Knowles. 1 July 53,
33p. (1 fig. omitted) 31 refs.
Order from OTS or SLA \$3.60

61-28102

Trans. of Biokhimiya (USSR) 1952, v. 17, no. 6,
p. 664-673.

Another trans. is available from SLA as RT-127.

DESCRIPTORS: *Phosphorus, *Nucleic acids,
*Chromosomes, *Cells (Biology), Exchange reactions,
Secretion, Proteins, Embryos, Nuclei (Biology).

(Biological Sciences--Biochemistry, TT, v. 7, no. 1)
(over)

61-28102

I. Khesin, R. V.
II. National Institutes of
Health, Bethesda, Md.

357
3 451

Office of Technical Services

(a) the Nature of the Changes of Fibrinogen Into
Fibrin, by V. A. Belitser, Et I. Khodorova.

RUSSIA, per, Biokhimiya, Vol XVII, 1952, pp 676-683.

Nova Scotia No 217

Scientific - Medicine, biochemistry

Aug 53 CTS

4796

Vitamin Activity of Catechins From Tea
Leaves, by A. L. Kursanov, et al.

RUSSIAN, per: Biohimiya, Vol XVII,
No 6, 1952, pp 729-733.

CSIRO

Sci - Chem
Jan 62

199, 637

The State of Glycogen in the Liver, by A. M.
Genkin, 8 pp.

RUSSIAN, bino per, Biokhim, Vol XVIII, No 1,
1953, pp 7-11.

Sci Trans Center
HT-2740

Scientific - Biology
CTS 75/Dec 55

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PEC

UCRL-Trans-10545

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QUANTITATIVE EMISSION-ANALYSIS OF TRACE ELEMENTS
IN NERVE-CELL NUCLEI. Voinar, A. O. Translated by
M. R. Blau for Univ. of California, Lawrence Radiation Lab.,
Livermore, from Biokhimiya; 18: No. 1, 29-33(1953), 11p.

biomed; translations

ND-48 P RC

Unlimited

Study of the Qualitative Peculiarities of
Muscle Glycogens in Rabbits Suffering From
Alloxan Diabetes, by E. L. Rosenfel'd,
E. G. Plyshevskaya, 10 pp.

RUSSIAN, per, Biokhimiya, Vol XVIII, No 1,
1953, pp 51-53.

Sci Tr Center
BT-1950

Scientific - Biology Mar 55 CTS

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The Influence of the Excitation of the Central
Nervous System Upon Certain Processes in the
Metabolism of Adrenalin in the Vascular Walls
and in the Suprarenal Glands, by A. M. Utevsky,
M. L. Butom. UNCL

RUSSIAN, per, Biochimiya, Vol XVIII, 1953,
pp 195-200.

OCT-1000B

Sci - Med; Biol
Sep 59

96,643

Participation of Carnitine in Certain Biochemical
Processes and Content Thereof in the Muscles of
Various Animals, by P. B. Garkavi. USSR.

RUSSIAN, per, Biochimiy, Vol XVIII, No 3,
1953, pp 302-304.

CCT-572B

Sci - Biol
Sep 59

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